

JP2002236238 (^) A
COATED OPTICAL FIBER (^)
FURUKAWA ELECTRIC CO LTD:THE

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Abstract: PROBLEM TO BE SOLVED: To provide a coated optical fiber (^) having excellent water-resistance in which the generation of water bubbles in the inside of a primary coating (^) layer and blisters on a glass fiber/the primary coating (^) layer boundary face are suppressed and the increase of an optical loss is avoided.

SOLUTION: In the coated optical fiber (^) in which at least the primary coating (^) layer 3 and a secondary coating (^) layer 4 are coated from the inside on the outer peripheral surface of a bare wire 2 consisting of a glass fiber, the primary coating (^) layer material and the secondary coating (^) layer material are composed of material in which the diameter of a water bubble (^) contained in the primary coating (^) layer material becomes 50 μm or less after a sandwich shaped laminating sheet sample which is formed by holding both surfaces of the primary coating (^) layer material of a sheet shape of 200 μm or less thickness with the secondary coating (^) layer material of a sheet shape of 200 μm or less thickness is dipped in warm water of 60°C for seven days.

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